

ABSTRACT OF THE DISCLOSURE

A phase θ_c of a correction unbalance found by the following formula (1) is determined by using a Radial Runout (RRO) value Wr_1 in a primary component of the RRO of the wheel rim, a phase θ_{r1} (unit: °) of a peak position thereof, an unbalance level Wub of a heavy point of the wheel rim, a phase θ_{ub} thereof, a distance L of a balance weight sticking position, a weight Tt of the tire, and a phase α_t of a light point of the tire. The tire and the wheel rim are assembled in a state of aligning the phase θ_c of the correction unbalance with the phase α_t of the light point of the tire.

$$\theta_c = \tan^{-1} \left[\frac{Wub \times \sin \theta_{ub} + \{(Wr_1 \times Tt)/(2 \times L)\} \times \sin \theta_{r1}}{Wub \times \cos \theta_{ub} + \{(Wr_1 \times Tt)/(2 \times L)\} \times \cos \theta_{r1}} \right] \dots (1)$$